

## Low Temperature Viscosity Standards

Product Code	Temp °C	Temp °F	Viscosity Range mm <sup>2</sup> s (cSt)	Dynamic Viscosity mPa.s (cP)	Density mPa.s (cP)
JF1	-20	-4	5.230		
JF2	-40	-40	11.45		
J10	-40	-40	898.0		
J13	-10	**	309.8		
P60W0C	0	32	60.16		
	-30	**	463.1		
	-40	-40	1164		
N2B	0	32	4.710	3.866	0.8208
	-20	-4	9.052	7.559	0.8351
N14B	-25	-13	1754	1607	
	-30	**	3535	3251	
	-35	-35	7661	7072	
	-40	-40	18334	16985	
N27B	-17.78	0	1251	1147	0.9169
	-23.33	-10	2572	2368	0.9205
	-26.11	-15	3808	3513	0.9225
	-28.89	-20	5765	5329	0.9243
	-34.44	-30	14348	13315	0.9280
	-40	-40	40141	37395	0.9316
N105B	-19	-2.2	30679	26617	0.8676
	-19.5	-3.1	32543	28247	0.8680
	-20	-4	34518	29967	0.8682
	-20.5	-4.9	36643	31824	0.8685
	-21	-5.8	38897	33794	0.8688
	-25	-13	64477	56192	0.8715
N115B	-6.67	20	11054	9533	0.8624
	-12.22	10	19758	17108	0.8659
	-17.78	0	37204	32353	0.8696
	-23.33	-10	74636	65157	0.8730
	-26.11	-15	109055	95380	0.8746
	-28.89	-20	162919	142782	0.8764
N120B	-39	-38.20	145950	127779	0.8755
	-39.50	-39.10	158130	138474	0.8757
	-40	-40	171623	150342	0.8760
	-40.50	-40.90	186276	163234	0.8763
	-41	-41.80	202414	177436	0.8766
N400B	-24	-11.2	59860	52340	0.8744
	-24.5	-12.1	63970	55950	0.8747
	-25	-13	68480	59920	0.8750
	-25.5	-13.9	73170	64050	0.8753
	-26	-14.8	78180	68450	0.8756

N480B	-25	-13	128500	120400	0.9373
	-25.5	-13.9	142500	133600	0.9376
	-26	-14.8	158200	148400	0.9378
	-26.11	-15	162600	152500	0.9380
	-26.5	-15.7	175200	164400	0.9383
	-27	-16.6	196000	184000	0.9386
N1400B	-11	12.2	136512	126191	0.9244
	-11.5	11.3	148141	136986	0.9247
	-12	10.4	161693	149566	0.9250
	-12.22	10	167815	155246	0.9251
	-12.5	9.5	176115	162959	0.9253
	-13	8.6	192125	177850	0.9257

All values stated are nominal - 28/08/2011